

NEW ABSTRACT

A rewritable optical data storage medium for high-speed recording includes a substrate carrying a stack of layers. The stack includes a recording layer between two auxiliary layers. The recording layer includes an alloy of Sb and at least one of Ga and In having a composition in atomic percentages defined by the formula:  $Ga_xIn_ySb_z$  and  $70 \leq z \leq 95$  and  $x + y + z = 100$ .